



IMPROVED THROMBOPLASTIN PREPARATIONS FOR DRY
REAGENT PROTHROMBIN TIME ASSAYS

ABSTRACT OF THE DISCLOSURE

5 The improved test articles of the present invention
comprise a dry thromboplastin formulation, encased in a test
article suitable for applying blood or plasma, coagulation
neutral agents used to facilitate uptake and distribution of
sample, and a mechanism that detects the time elapsed between
the application of sample, and the onset of coagulation within
the test article. The improved thromboplastin is selected to
maintain high sensitivity and specificity for the prothrombin
time reaction while being rehydrated with a test sample.
10 Preferably, the thromboplastin is synthetically prepared by
the relipidation of a pure tissue factor preparation, using a
lipid fraction that facilitates the solubilization of the
tissue factor-lipid thromboplastin complex in aqueous media.
In the most preferred embodiment, the thromboplastin is
15 prepared using recombinant DNA synthesized human tissue
factor.

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